

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09919736 on February 11, 2003

- 12 370/401 (3 OR, 9 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/351 PATHFINDING OR ROUTING  
370/389 .Switching a message which includes an address header  
370/400 ..Having a plurality of nodes performing distributed switching  
370/401 ...Bridge or gateway between networks
- 11 709/250 (3 OR, 8 XR)  
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
709/200 MULTICOMPUTER DATA TRANSFERRING  
709/250 .Network-to-computer interfacing
- 10 709/236 (5 OR, 5 XR)  
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
709/200 MULTICOMPUTER DATA TRANSFERRING  
709/230 .Computer-to-computer protocol implementing  
709/236 ...Computer-to-computer data framing
- 8 709/228 (2 OR, 6 XR)  
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
709/200 MULTICOMPUTER DATA TRANSFERRING  
709/227 .Computer-to-computer session/connection establishing  
709/228 ..Session/connection parameter setting
- 8 709/230 (3 OR, 5 XR)  
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
709/200 MULTICOMPUTER DATA TRANSFERRING  
709/230 .Computer-to-computer protocol implementing
- 8 709/245 (3 OR, 5 XR)  
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
709/200 MULTICOMPUTER DATA TRANSFERRING  
709/245 .Computer-to-computer data addressing
- 7 370/392 (5 OR, 2 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/351 PATHFINDING OR ROUTING  
370/389 .Switching a message which includes an address header  
370/392 ..Processing of address header for routing, per se
- 7 370/402 (2 OR, 5 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/351 PATHFINDING OR ROUTING

370/389      ..Switching a message which includes an address header  
 370/400      ..Having a plurality of nodes performing distributed switching  
 370/401      ...Bridge or gateway between networks  
 370/402      ....Bridge between bus systems

⑦ 370/469      (1 OR, 6 XR)  
     Class   370 : MULTIPLEX COMMUNICATIONS  
     370/464      COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL CHANNELS  
     370/465      ..Adaptive  
     370/469      ..Processing multiple layer protocols

6 370/474      (0 OR, 6 XR)  
     Class   370 : MULTIPLEX COMMUNICATIONS  
     370/473      ..Transmission of a single message having multiple packets  
     370/474      ..Assembly or disassembly of messages having address headers

5 370/447      (0 OR, 5 XR)  
     Class   370 : MULTIPLEX COMMUNICATIONS  
     370/431      CHANNEL ASSIGNMENT TECHNIQUES  
     370/445      ..Carrier sense multiple access (CSMA)  
     370/447      ..Arbitration for access between contending stations

5 370/463      (1 OR, 4 XR)  
     Class   370 : MULTIPLEX COMMUNICATIONS  
     370/431      CHANNEL ASSIGNMENT TECHNIQUES  
     370/463      ..Details of circuit or interface for connecting user to the network

5 709/203      (1 OR, 4 XR)  
     Class   709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
     709/200      MULTICOMPUTER DATA TRANSFERRING  
     709/201      ..Distributed data processing  
     709/203      ..Client/server

④ 370/231      (2 OR, 2 XR)  
     Class   370 : MULTIPLEX COMMUNICATIONS  
     370/229      DATA FLOW CONGESTION PREVENTION OR CONTROL  
     370/230      ..Control of data admission to the network  
     370/231      ..End-to-end flow control

4 370/389      (3 OR, 1 XR)  
     Class   370 : MULTIPLEX COMMUNICATIONS  
     370/351      PATHFINDING OR ROUTING  
     370/389      ..Switching a message which includes an address header

4 370/409      (1 OR, 3 XR)  
     Class   370 : MULTIPLEX COMMUNICATIONS  
     370/351      PATHFINDING OR ROUTING  
     370/389      ..Switching a message which includes an address

		header
	370/400	..Having a plurality of nodes performing distributed switching
	370/409	...Employing logical addressing for routing (e.g., VP or VC)
4	370/471	(1 OR, 3 XR)
	Class 370	: MULTIPLEX COMMUNICATIONS
	370/464	COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL CHANNELS
	370/465	.Adaptive
	370/470	..Frame length
	370/471	...Message having an address header
4	709/213	(0 OR, 4 XR)
	Class 709	: ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
	709/200	MULTICOMPUTER DATA TRANSFERRING
	709/213	.Multicomputer data transferring via shared memory.
4	709/222	(2 OR, 2 XR)
	Class 709	: ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
	709/200	MULTICOMPUTER DATA TRANSFERRING
	709/220	.Network computer configuring
	709/222	..Initializing
4	709/224	(1 OR, 3 XR)
	Class 709	: ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
	709/200	MULTICOMPUTER DATA TRANSFERRING
	709/223	.Computer network managing
	709/224	..Computer network monitoring
4	709/238	(1 OR, 3 XR)
	Class 709	: ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
	709/200	MULTICOMPUTER DATA TRANSFERRING
	709/238	.Computer-to-computer data routing
4	709/249	(4 OR, 0 XR)
	Class 709	: ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
	709/200	MULTICOMPUTER DATA TRANSFERRING
	709/249	.Multiple network interconnecting
3	340/825.52	(2 OR, 1 XR)
	Class 340	: COMMUNICATIONS: ELECTRICAL
	340/825	SELECTIVE
	340/825.52	.Addressing
3	370/236	(0 OR, 3 XR)
	Class 370	: MULTIPLEX COMMUNICATIONS
	370/229	DATA FLOW CONGESTION PREVENTION OR CONTROL
	370/235	.Flow control of data transmission through a network

370/236           ..Including signaling between network elements

  

3 370/410           (0 OR, 3 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/351       PATHFINDING OR ROUTING  
     370/389       .Switching a message which includes an address  
                   header  
     370/400       ..Having a plurality of nodes performing  
                   distributed switching  
     370/410       ...Having a signaling feature

  

3 709/215           (2 OR, 1 XR)  
     Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
                   SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
     709/200       MULTICOMPUTER DATA TRANSFERRING  
     709/213       .Multicomputer data transferring via shared  
                   memory  
     709/215       ..Partitioned shared memory

  

3 709/218           (1 OR, 2 XR)  
     Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
                   SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
     709/200       MULTICOMPUTER DATA TRANSFERRING  
     709/217       .Remote data accessing  
     709/218       ..Using interconnected networks

  

3 709/220           (0 OR, 3 XR)  
     Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
                   SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
     709/200       MULTICOMPUTER DATA TRANSFERRING  
     709/220       ..Network computer configuring

  

3 709/225           (0 OR, 3 XR)  
     Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
                   SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
     709/200       MULTICOMPUTER DATA TRANSFERRING  
     709/223       ..Computer network managing  
     709/225       ..Computer network access regulating

  

3 709/226           (0 OR, 3 XR)  
     Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
                   SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
     709/200       MULTICOMPUTER DATA TRANSFERRING  
     709/223       ..Computer network managing  
     709/226       ..Network resource allocating

  

3 709/227           (2 OR, 1 XR)  
     Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
                   SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
     709/200       MULTICOMPUTER DATA TRANSFERRING  
     709/227       ..Computer-to-computer session/connection  
                   establishing

  

3 709/232           (0 OR, 3 XR)  
     Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
                   SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING

- 709/200 MULTICOMPUTER DATA TRANSFERRING
  - 709/230 .Computer-to-computer protocol implementing
  - 709/232 ..Computer-to-computer data transfer regulating
- 3 709/233 (0 OR, 3 XR)
- Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
  - 709/200 MULTICOMPUTER DATA TRANSFERRING
  - 709/230 .Computer-to-computer protocol implementing
  - 709/232 ..Computer-to-computer data transfer regulating
  - 709/233 ...Transfer speed regulating
- 3 709/234 (1 OR, 2 XR)
- Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
  - 709/200 MULTICOMPUTER DATA TRANSFERRING
  - 709/230 .Computer-to-computer protocol implementing
  - 709/232 ..Computer-to-computer data transfer regulating
  - 709/234 ...Data flow compensating
- 3 709/246 (1 OR, 2 XR)
- Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
  - 709/200 MULTICOMPUTER DATA TRANSFERRING
  - 709/246 .Computer-to-computer data modifying
- 3 710/52 (0 OR, 3 XR)
- Class 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA  
PROCESSING SYSTEMS: INPUT/OUTPUT
  - 710/1 INPUT/OUTPUT DATA PROCESSING
  - 710/52 .Input/Output data buffering
- 3 714/748 (0 OR, 3 XR)
- Class 714 : ERROR DETECTION/CORRECTION AND FAULT  
DETECTION/RECOVERY
  - 714/699 PULSE OR DATA ERROR HANDLING
  - 714/746 .Digital data error correction
  - 714/748 ..Request for retransmission
- 2 340/825.51 (0 OR, 2 XR)
- Class 340 : COMMUNICATIONS: ELECTRICAL
  - 340/825 SELECTIVE
  - 340/825.5 .Lockout or priority (programmed or variable)
  - 340/825.51 ..Designated priority
- 2 370/219 (2 OR, 0 XR)
- Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/216 FAULT RECOVERY
  - 370/217 .Bypass an inoperative switch or inoperative  
element of a switching system
  - 370/218 ..Packet switching system or element
  - 370/219 ...Standby switch

2 370/235 (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/229 DATA FLOW CONGESTION PREVENTION OR CONTROL  
     370/235 .Flow control of data transmission through a  
             network

2 370/252 (1 OR, 1 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/241 DIAGNOSTIC TESTING (OTHER THAN SYNCHRONIZATION)  
     370/252 .Determination of communication parameters

2 370/385 (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/351 PATHFINDING OR ROUTING  
     370/357 .Through a circuit switch  
     370/360 ..Switching control  
     370/384 ...Having a supervisory signaling feature  
     370/385 ....Having a separate signaling network

2 370/397 (1 OR, 1 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/351 PATHFINDING OR ROUTING  
     370/389 .Switching a message which includes an address  
             header  
     370/395.1 ..Message transmitted using fixed length  
                 packets (e.g., ATM cells)  
     370/396 ...Distributed switching  
     370/397 ....Employing logical addressing for routing  
             (e.g., VP or VC)

2 370/404 (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/351 PATHFINDING OR ROUTING  
     370/389 .Switching a message which includes an address  
             header  
     370/400 ..Having a plurality of nodes performing  
                 distributed switching  
     370/401 ...Bridge or gateway between networks  
     370/402 ....Bridge between bus systems  
     370/403 .....At least one bus is a ring network  
     370/404 .....Ring or loop forms backbone for  
                 interconnecting other networks

2 370/419 (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/351 PATHFINDING OR ROUTING  
     370/389 .Switching a message which includes an address  
             header  
     370/419 ..Input or output circuit, per se (i.e., line  
                 interface)

2 370/420 (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/351 PATHFINDING OR ROUTING  
     370/389 .Switching a message which includes an address  
             header

370/419           ..Input or output circuit, per se (i.e., line interface)

370/420           ...For connecting plural subscribers to a network (i.e., network termination)

2 370/428           (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/351       PATHFINDING OR ROUTING  
     370/428       .Store and forward

2 370/438           (1 OR, 1 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/431       CHANNEL ASSIGNMENT TECHNIQUES  
     370/438       ..Using a separate control line or bus for access control

2 370/445           (1 OR, 1 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/431       CHANNEL ASSIGNMENT TECHNIQUES  
     370/445       ..Carrier sense multiple access (CSMA)

2 370/462           (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/431       CHANNEL ASSIGNMENT TECHNIQUES  
     370/462       ..Arbitration for access to a channel

2 370/466           (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/464       COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL CHANNELS  
     370/465       ..Adaptive  
     370/466       ..Converting between protocols

2 370/468           (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/464       COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL CHANNELS  
     370/465       ..Adaptive  
     370/468       ..Assignment of variable bandwidth or time period for transmission or reception

2 370/524           (1 OR, 1 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/473       ..Transmission of a single message having multiple packets  
     370/498       ..Combining or distributing information via time channels  
     370/522       ..Signaling (ancillary to main information)  
     370/524       ...Using a dedicated signaling channel (i.e., D-channel)

2 706/25            (2 OR, 0 XR)  
     Class 706 : DATA PROCESSING: ARTIFICIAL INTELLIGENCE  
     706/15        NEURAL NETWORK  
     706/25        ..Learning method

2 706/31            (0 OR, 2 XR)

Class 706 : DATA PROCESSING: ARTIFICIAL INTELLIGENCE  
 706/15 NEURAL NETWORK  
 706/26 .Structure  
 706/27 ..Architecture  
 706/31 ...Multilayer feedforward

2 709/200 (1 OR, 1 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/200 MULTICOMPUTER DATA TRANSFERRING

2 709/217 (0 OR, 2 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/200 MULTICOMPUTER DATA TRANSFERRING  
 709/217 .Remote data accessing

2 709/219 (0 OR, 2 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/200 MULTICOMPUTER DATA TRANSFERRING  
 709/217 .Remote data accessing  
 709/219 ..Accessing a remote server

2 709/229 (1 OR, 1 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/200 MULTICOMPUTER DATA TRANSFERRING  
 709/227 .Computer-to-computer session/connection  
 establishing  
 709/229 ..Network resources access controlling

2 709/235 (0 OR, 2 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/200 MULTICOMPUTER DATA TRANSFERRING  
 709/230 .Computer-to-computer protocol implementing  
 709/232 ..Computer-to-computer data transfer regulating  
 709/235 ...Congestion avoiding

2 709/237 (1 OR, 1 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/200 MULTICOMPUTER DATA TRANSFERRING  
 709/230 .Computer-to-computer protocol implementing  
 709/237 ..Computer-to-computer handshaking

2 709/243 (1 OR, 1 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/200 MULTICOMPUTER DATA TRANSFERRING  
 709/238 .Computer-to-computer data routing  
 709/243 ..Decentralized controlling

2 709/253 (0 OR, 2 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING



		SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
	709/200	MULTICOMPUTER DATA TRANSFERRING
	709/253	.Based computer networking
2	710/106	(1 OR, 1 XR)
	Class 710 :	ELECTRICAL COMPUTERS AND DIGITAL DATA PROCESSING SYSTEMS: INPUT/OUTPUT
	710/100	INTRASYSTEM CONNECTION (E.G., BUS AND BUS TRANSACTION PROCESSING)
	710/105	.Protocol
	710/106	..Using transmitter and receiver
2	710/56	(2 OR, 0 XR)
	Class 710 :	ELECTRICAL COMPUTERS AND DIGITAL DATA PROCESSING SYSTEMS: INPUT/OUTPUT
	710/1	INPUT/OUTPUT DATA PROCESSING
	710/52	.Input/Output data buffering
	710/56	..Buffer space allocation or deallocation
2	711/118	(2 OR, 0 XR)
	Class 711 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY
	711/100	STORAGE ACCESSING AND CONTROL
	711/117	.Hierarchical memories
	711/118	..Caching
2	711/122	(0 OR, 2 XR)
	Class 711 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY
	711/100	STORAGE ACCESSING AND CONTROL
	711/117	.Hierarchical memories
	711/118	..Caching
	711/119	...Multiple caches
	711/122	....Hierarchical caches
2	714/4	(0 OR, 2 XR)
	Class 714 :	ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY
	714/100	DATA PROCESSING SYSTEM ERROR OR FAULT HANDLING
	714/1	.Reliability and availability
	714/2	..Fault recovery
	714/3	...By masking or reconfiguration
	714/4	....Of network
2	714/807	(0 OR, 2 XR)
	Class 714 :	ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY
	714/699	PULSE OR DATA ERROR HANDLING
	714/799	.Error/fault detection technique
	714/807	..Check character